

```
% Example on page 34
% Experimental Methods, W Bolton (1996), Elsevier
%
clear; clc;
%
a = 1; b = 1;
x = [0 1 2 3 4 5 6 7 8 9 10];
y = a*x.^2 + b;
%
x = x; xlo = min(x); xhi = max(x);
y = y; ylo = min(y); yhi = max(y);
%
% Plot the curve for the equation:
p1 = plot(x,y);
set(p1, "linestyle", "-");
set(p1, "marker", "o");

axis([xlo xhi ylo yhi], "square","tic","labelxy")
text(6, 20, strcat('y = {a x^2 + b}'))
xlabel("Independent variable, x")
ylabel("Dependent variable, y")
title("Example on page 34 - Common Graphs")
grid on
```